

SEQUENCE LISTING

- (1) GENERAL INFORMATION:
- (i) APPLICANT: PARMA, et al.
  - (ii) TITLE OF INVENTION: HIGH AFFINITY NUCLEIC ACID LIGANDS  
TO LECTINS
  - (iii) NUMBER OF SEQUENCES: 390
  - (iv) CORRESPONDENCE ADDRESS:
    - (A) ADDRESSEE: Swanson & Bratschun, L.L.C.
    - (B) STREET: 8400 E. Prentice Avenue, Suite 200
    - (C) CITY: Englewood
    - (D) STATE: Colorado
    - (E) COUNTRY: USA
    - (F) ZIP: 80111
  - (v) COMPUTER READABLE FORM:
    - (A) MEDIUM TYPE: Diskette, 3 1/2 diskette, 1.44 MB
    - (B) COMPUTER: IBM pc compatible
    - (C) OPERATING SYSTEM: MS-DOS
    - (D) SOFTWARE: wordPerfect 6.0
  - (vi) CURRENT APPLICATION DATA:
    - (A) APPLICATION NUMBER: 08/
    - (B) FILING DATE:
    - (C) CLASSIFICATION:
  - (vii) PRIOR APPLICATION DATA:
    - (A) APPLICATION NUMBER: PCT/US96/09455
    - (B) FILING DATE: 05-JUNE-1995
  - (vii) PRIOR APPLICATION DATA:
    - (A) APPLICATION NUMBER: 08/479,724
    - (B) FILING DATE: 07-JUNE-1995
  - (vii) PRIOR APPLICATION DATA:
    - (A) APPLICATION NUMBER: 08/472,256
    - (B) FILING DATE: 07-JUNE-1995
  - (vii) PRIOR APPLICATION DATA:
    - (A) APPLICATION NUMBER: 08/472,255
    - (B) FILING DATE: 07-JUNE-1995
  - (vii) PRIOR APPLICATION DATA:
    - (A) APPLICATION NUMBER: 08/477,829
    - (B) FILING DATE: 07-JUNE-1995
  - (viii) ATTORNEY/AGENT INFORMATION:
    - (A) NAME: Barry J. Swanson
    - (B) REGISTRATION NUMBER: 33,215
    - (C) REFERENCE/DOCKET NUMBER: NEX40C/PCT
  - (ix) TELECOMMUNICATION INFORMATION:
    - (A) TELEPHONE: (303) 793-3333
    - (B) TELEFAX: (303) 793-3433
- (2) INFORMATION FOR SEQ ID NO:1:
- (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 98 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULAR TYPE: RNA
  - (ix) FEATURE:
    - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
 GGGAAAAGCG AAUCAUACAC AAGANNNNNN NNNNNNNNNN NNNNNNNNNN 50  
 NNNNNNNNNN NNNNNNNNNN NNNNGCUCCG CCAGAGACCA ACCGAGAA 98

(2) INFORMATION FOR SEQ ID NO:2:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 41 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
 UAAUACGACU CACUAVAGGG AAAAGCGAAU CAUACACAAG A 41

(2) INFORMATION FOR SEQ ID NO:3:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 24 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
 UUCUCGGUUG GUCUCUGGCG GAGC 24

(2) INFORMATION FOR SEQ ID NO:4:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 96 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
 GGGAAAAGCG AAUCAUACAC AAGAAUGGUU GGCCUGGGCG CAGGCUUCGA 50  
 AGACUCGGCG GGAACGGGAA UGGCUCCGCC AGAGACCAAC CGAGAA 96

(2) INFORMATION FOR SEQ ID NO:5:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 98 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single

(D) TOPOLOGY: linear  
(ii) MOLECULAR TYPE: RNA  
(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
GGGAAAAGCG AAUCAUACAC AAGACAGGCA CUGAAAACUC GGCGGGAACG 50  
AAAGUAGUGC CGACUCAGAC GCGUGCUCCG CCAGAGACCA ACCGAGAA 98

(2) INFORMATION FOR SEQ ID NO:6:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 91 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULAR TYPE: RNA  
(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
GGGAAAAGCG AAUCAUACAC AAGAAGUCUG GCCAAAGACU CGGCGGGAAC 50  
GUAAAACGGC CAGAAUUGCU CCGCCAGAGA CCAACCGAGA A 91

(2) INFORMATION FOR SEQ ID NO:7:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 94 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULAR TYPE: RNA  
(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
GGGAAAAGCG AAUCAUACAC AAGAGUAGGA GGUUCCAUA CCAGGACUCG 50  
GCGGGAACGG AAGGUGAUGS GCUCCGCCAG AGACCAACCG AGAA 94

(2) INFORMATION FOR SEQ ID NO:8:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 95 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULAR TYPE: RNA  
(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
GGGAAAAGCG AAUCAUACAC AAGAACAAGG AUCGAUGGCG AGCCGGGGAG 50  
GGCUCGGCGG GAACGAAUUC UGCUCGCCCA GAGACCAACC GAGAA 95

(2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 97 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

GGGAAAAGCG AAUCAUACAC AAGAUUGGGC AGGCAGAGCG AGACCGGGGG	50
CUCGGCGGGA ACGGAACAGG AAUGCUCGCG CAGAGACCAA CCGAGAA	97

(2) INFORMATION FOR SEQ ID NO:10:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 97 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

GGGAAAAGCG AAUCAUACAC AAGAAAGGGA UGGGAUUGGG ACGAGCGGCC	50
AAGACUCGGC GGAACGAAG GGUGCUCGCG CAGAGACCAA CCGAGAA	97

(2) INFORMATION FOR SEQ ID NO:11:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 96 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

GGGAAAAGCG AAUCAUACAC AAGACUCGGC GGGAACGAAA GUGUCAUGGU	50
AGCAAGUCCA AUGGUGGACU CUGCUCGCC AGAGACCAAC CGAGAA	96

(2) INFORMATION FOR SEQ ID NO:12:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 98 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine



(ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
 GGGAAAAGCG AAUCAUACAC AAGACUCGGC GGGAACGUGA AGUGGGUAGG 50  
 UAGCUGAAGA CGGUCUGGGC GCCAGCUCCG CCAGAGACCA ACCGAGAA 98

(2) INFORMATION FOR SEQ ID NO:13:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 99 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
 GGGAAAAGCG AAUCAUACAC AAGAAAGGGA UGGGAUUGGG ACGAGCGGCC 50  
 AAGACUCGGC GGGAACGAAG GUCCGCUCC GCCAGAGACC AACCGAGAA 99

(2) INFORMATION FOR SEQ ID NO:14:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 98 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:  
 GGGAAAAGCG AAUCAUACAC AAGACUCGGC GGGAACGAAG UGUGUGAGUA 50  
 ACGAUCACUU GGUACUAAAA GCCCGCUCCG CCAGAGACCA ACCGAGAA 98

(2) INFORMATION FOR SEQ ID NO:15:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 100 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:  
 GGGAAAAGCG AAUCAUACAC AAGACUCGGC GGGAUCGAA AGUGUACUGA 50  
 AUUAGAACGG UGGGCCUGCU CAUCGUGCUC CGCCAGAGAC CAACCGAGAA 100

(2) INFORMATION FOR SEQ ID NO:16:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 103 base pairs

(B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:  
 GGGAAAAGCG AAUCAUACAC AAGACUCGGC GGGAAUCGUA AUGUGGAUGA 50  
 UAGCACGAUG GCAGYAGUAG UCGGACCGCG CUCCGCCAGA GACCAACCGA 100  
 GAA 103

(2) INFORMATION FOR SEQ ID NO:17:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 98 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:  
 GGGAAAAGCG AAUCAUACAC AAGACAGCGG CGGAGUCAGU GAAAGCGUGG 50  
 GGGGYGCGGG AGGUCUACCC UGACGCUCCG CCAGAGACCA ACCGAGAA 98

(2) INFORMATION FOR SEQ ID NO:18:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 95 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:  
 GGGAAAAGCG AAUCAUACAC AAGACGGCUG UGUGUGGUAG CGUCAUAGUA 50  
 GGAGUCGUCA CGAACCAAGG CGCUCCGCCA GAGACCAACC GAGAA 95

(2) INFORMATION FOR SEQ ID NO:19:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 98 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:  
GGGAAAAGCG AAUCAUACAC AAGACGGCUG UGUGGUGUUG GAGCGUCAUA 50  
GUAGGAGUCG UCACGAACCA AGGCGCUCCG CCAGAGACCA ACCGAGAA 98

(2) INFORMATION FOR SEQ ID NO:20:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 97 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:

GGGAAAAGCG AAUCAUACAC AAGACGAUGC GAGGCAAGAA AUGGAGUCGU 50  
UACGAACCCU CUUGCAGUGC GCGGCUCGCG CAGAGACCAA CCGAGAA 97

(2) INFORMATION FOR SEQ ID NO:21:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 95 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:

GGGAAAAGCG AAUCAUACAC AAGACGUGCG GAGCAAUAG GGGAUCAUGG 50  
AGUCGUACGA ACCGUUAUCG CGCUCCGCCA GAGACCAACC GAGAA 95

(2) INFORMATION FOR SEQ ID NO:22:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 97 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:22:

GGGAAAAGCG AAUCAUACAC AAGACUGGGG AGCAGGAUUAU GAGAUGUGCG 50  
GGGCAAUGGA GUCGUGACGA ACCGCUCCGC CAGAGACCAA CCGAGAA 97

(2) INFORMATION FOR SEQ ID NO:23:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 95 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:

GGGAAAAGCG AAUCAUACAC AAGAGUCCGC CCCAGGGAU GCAACGGGGU	50
GGCUCUAAAA GGCUUGGCUA AGCUCCGCCA GAGACCAACC GAGAA	95

(2) INFORMATION FOR SEQ ID NO:24:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 94 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:24:

GGGAAAAGCG AAUCAUACAC AAGAGAGAAU GAGCAUGGCC GGGGCAGGAA	50
GUGGGUGGCA ACGGAGGCCA GCUCCGCCAG AGACCAACCG AGAA	94

(2) INFORMATION FOR SEQ ID NO:25:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 95 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:25:

GGGAAAAGCG AAUCAUACAC AAGAGAUACA GCGCGGGUCU AAAGACCUUG	50
CCCCUAGGAU GCAACGGGGU GGCUCGCCA GAGACCAACC GAGAA	95

(2) INFORMATION FOR SEQ ID NO:26:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 97 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:26:

GGGAAAAGCG AAUCAUACAC AAGAUGAAGG GUGGUAAGAG AGAGUCUGAG	50
CUCGUCCUAG GGAUGCAACG GCAGCUCCGC CAGAGACCAA CCGAGAA	97

(2) INFORMATION FOR SEQ ID NO:27:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 99 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:27:

GGGAAAAGCG AAUCAUACAC AAGACAAACC UGCAGUCGCG CGGUGAAACC	50
UAGGGUUGCA ACGGUACAUC GCUGUGCUCG GCCAGAGACC AACCGAGAA	99

(2) INFORMATION FOR SEQ ID NO:28:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 97 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:28:

GGGAAAAGCG AAUCAUACAC AAGAGUGGAC UGGAAUCUUC GAGGACAGGA	50
ACGUUCCUAG GGAUGCAACG GACGCUCCGC CAGAGACCAA CCGAGAA	97

(2) INFORMATION FOR SEQ ID NO:29:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 97 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:29:

GGGAAAAGCG AAUCAUACAC AAGAGUGUAC CAAUGGAGGC AAUGCUGCGG	50
GAAUGGAGGC CUAGGGAUGC AACGCUCCGC CAGAGACCAA CCGAGAA	97

(2) INFORMATION FOR SEQ ID NO:30:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 97 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:30:  
 GGGAAAAGCG AAUCAUACAC AAGAGUCCCU AGGGAUGCAA CGGGCAGCAU 50  
 UCGCAUAGGA GUAAUCGGAG GUCGCUCCGC CAGAGACCAA CCGAGAA 97

(2) INFORMATION FOR SEQ ID NO:31:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:31:  
 GGGAAAAGCG AAUCAUACAC AAGAGCCUAG GGAUGCAACG GCGAAUGGAU 50  
 AGCGAUGUCG UGGACAGCCA GGUGCUCCGC CAGAGACCAA CCGAGAA 97

(2) INFORMATION FOR SEQ ID NO:32:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 98 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:32:  
 GGGAAAAGCG AAUCAUACAC AAGAAUCGAA CCUAGGGAUG CAACGGUGAA 50  
 GGUUGUGAGG AUUCGCCAUU AGGCGCUCCG CCAGAGACCA ACCGAGAA 98

(2) INFORMATION FOR SEQ ID NO:33:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 98 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:33:  
 GGGAAAAGCG AAUCAUACAC AAGAGCUAGG GAUGCCGCAG AAUGGUCGCG 50  
 GAUGUAAUAG GUGAAGAUUG UUGCGCUCCG CCAGAGACCA ACCGAGAA 98

(2) INFORMATION FOR SEQ ID NO:34:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 98 base pairs

(B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:34:  
 GGGAAAAGCG AAUCAUACAC AAGAGGACCU AGGGAUGCAA CGGUCCGACC 50  
 UUGAUGCGCG GGUGUCCAAG CUACGCUCCG CCAGAGACCA ACCGAGAA 98

(2) INFORMATION FOR SEQ ID NO:35:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:35:  
 GGGAAAAGCG AAUCAUACAC AAGAAAGGGA GGAGCUAGAG AGGGAAAGGU 50  
 UACUACGCGC CAGAAUAGGA UGUGCUCCGC CAGAGACCAA CCGAGAA 97

(2) INFORMATION FOR SEQ ID NO:36:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:36:  
 GGGAAAAGCG AAUCAUACAC AAGACCAACG UACAUCGCGA GCUGGUGGAG 50  
 AGUUCAUGAG GGUGUUACGG GGUGCUCCGC CAGAGACCAA CCGAGAA 97

(2) INFORMATION FOR SEQ ID NO:37:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 96 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:37:

GGGAAAAGCG AAUCAUACAC AAGACCCAAC GUGUCAUCGC GAGCUGGCGG	50
AGAGUUCAUG AGGGUUACGG GUGCUCCGCC AGAGACCAAC CGAGAA	96

(2) INFORMATION FOR SEQ ID NO:38:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 98 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:38:

GGGAAAAGCG AAUCAUACAC AAGAGUUGGU GCGAGCUGGG GCGGCGAGAA	50
GGUAGGCGGU CCGAGUGUUC GAAUGCUCGG CCAGAGACCA ACCGAGAA	98

(2) INFORMATION FOR SEQ ID NO:39:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 98 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:39:

GGGAAAAGCG AAUCAUACAC AAGACUGGCA AGRAGUGCGU GAGGGUACGU	50
UAGGGGUGUU UGGGCCGAUC GCAUGCUCGG CCAGAGACCA ACCGAGAA	98

(2) INFORMATION FOR SEQ ID NO:40:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 97 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:40:

GGGAAAAGCG AAUCAUACAC AAGAUUGGUC GUACUGGACA GAGCCGUGGU	50
AGAGGGAUUG GGACAAAGUG UCAGCUCCGC CAGAGACCAA CCGAGAA	97

(2) INFORMATION FOR SEQ ID NO:41:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 99 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear



(ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:41:  
 GGGAAAAGCG AAUCAUACAC AAGAUGUGAG AAAGUGGCCA ACUUUAGGAC 50  
 GUCGUGGAC UGYGCGGGUA GGCUCGCUCC GCCAGAGACC AACCGAGAA 99

(2) INFORMATION FOR SEQ ID NO:42:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 98 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:42:  
 GGGAAAAGCG AAUCAUACAC AAGACAGGCA GAUGUGUCUG AGUUCGUCGG 50  
 AGUAGACGUC GGUGGACGCG GAACGCUCCG CCAGAGACCA ACCGAGAA 98

(2) INFORMATION FOR SEQ ID NO:43:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:43:  
 GGGAAAAGCG AAUCAUACAC AAGAUGUGAU UAGGCAGUUG CAGCCGCCGU 50  
 CGCGAGACGU GACUCGAGGA UUCGCUCCGC CAGAGACCAA CCGAGAA 97

(2) INFORMATION FOR SEQ ID NO:44:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 96 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:44:  
 GGGAAAAGCG AAUCAUACAC AAGAUGCCGG UGGAAAGGCG GGUAGGUGAC 50  
 CCGAGGAUUC CUACCAAGCC AUGCUCCGCC AGAGACCAAC CGAGAA 96

(2) INFORMATION FOR SEQ ID NO:45:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 93 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:45:

GGGAAAAGCG AAUCAUACAC AAGAGAGGUG RAUGGGAGAG UGGAGCCCCG	50
GUGACUCGAG GAUUCCCGUG CUCCGCCAGA GACCAACCGA GAA	93

  

(2) INFORMATION FOR SEQ ID NO:46:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 97 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:46:

GGGAAAAGCG AAUCAUACAC AAGAGUCAUG CUGUGGCUGA ACAUACUGGU	50
GAAAGUUCAG UAGGGUGGAU ACAGCUCCGC CAGAGACCAA CCGAGAA	97

  

(2) INFORMATION FOR SEQ ID NO:47:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 96 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:47:

GGGAAAAGCG AAUCAUACAC AAGACCGGGG AUGGUGAGUC GGGCAGUGUG	50
ACCGAACUGG UGCCCCGUGA GAGCUCCGCC AGAGACCAAC CGAGAA	96

  

(2) INFORMATION FOR SEQ ID NO:48:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 97 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:48:  
 GGGAAAAGCG AAUCAUACAC AAGAACACUA ACCAGGUCUC UGAACGCGGG 50  
 ACGGAGGUGU GGGCGAGGUG GAAGCUCCGC CAGAGACCAA CCGAGAA 97

(2) INFORMATION FOR SEQ ID NO:49:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 99 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:49:  
 GGGAAAAGCG AAUCAUACAC AAGACCGUCU CCGAGAACC AGGCAGAGGA 50  
 CGUGCUGAAG GAGCUGCAUC UAGAAGCUCC GCCAGAGACC AACCGAGAA 99

(2) INFORMATION FOR SEQ ID NO:50:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 99 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:50:  
 GGGAAAAGCG AAUCAUACAC AAGACCGUCU CCGAGAACCA GGCAGAGGAG 50  
 GUGCUGAAGG RGCUGGCAUC UACAAGCUCC GCCAGAGACC AACCGAGAA 99

(2) INFORMATION FOR SEQ ID NO:51:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 96 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:51:  
 GGGAAAAGCG AAUCAUACAC AAGACCCGCA CAUAAUGUAG GGAACAAUGU 50  
 UAUGGCGGAA UUGAUAAACG GUGCUCGCC AGAGACCAAC CGAGAA 96

(2) INFORMATION FOR SEQ ID NO:52:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 98 base pairs

(B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:52:  
 GGGAAAAGCG AAUCAUACAC AAGACGAUGU UAGCGCCUCC GGGAGAGGUU 50  
 AGGGUCGUGC GGNAAGAGUG AGGUGCUC CGAGAGACCA ACCGAGAA 98

(2) INFORMATION FOR SEQ ID NO:53:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 99 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:53:  
 GGGAAAAGCG AAUCAUACAC AAGAGGUACG GGCGAGACGA GAUGGACUUA 50  
 UAGGUCGAUG AACGGGUAGC AGCUCGCUCC GCCAGAGACC AACCGAGAA 99

(2) INFORMATION FOR SEQ ID NO:54:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 96 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:54:  
 GGGAAAAGCG AAUCAUACAC AAGACGGUUG CUGAACAGAA CGUGAGUCUU 50  
 GGUGAGUCGC ACAGAUUGUC CUGCUCGCC AGAGACCAAC CGAGAA 96

(2) INFORMATION FOR SEQ ID NO:55:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:55:

GGGAAAAGCG AAUCAUACAC AAGAACUGAG UAAGGUCUGG CGUGGCAUUA	50
GGUUAGUGGG AGGCUUGGAG UAGGCUCCGC CAGAGACCAA CCGAGAA	97

(2) INFORMATION FOR SEQ ID NO:56:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 20 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:56:

AAGACUCGGC GGGAACGAAA 20

(2) INFORMATION FOR SEQ ID NO:57:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 16 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:57:

GGAGUCGUGA CGAACC 16

(2) INFORMATION FOR SEQ ID NO:58:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 16 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:58:

CCUAGGGAUG CAACGG 16

(2) INFORMATION FOR SEQ ID NO:59:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:59:  
 RCUGGGAGRG UGGGUGUU 18

(2) INFORMATION FOR SEQ ID NO:60:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 42 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:60:  
 UGUGNNNNNAG UNNNNNNNNNN UAGACGUCGG UGGACNNNGC GG 42

(2) INFORMATION FOR SEQ ID NO:61:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 21 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:61:  
 GGGNNNGUGA CYCGRGGAYU C 21

(2) INFORMATION FOR SEQ ID NO:62:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 23 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:62:  
 UGANCNNACU GGUGNNNGNG NAG 23

(2) INFORMATION FOR SEQ ID NO:63:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 32 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA

(ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:63:  
 GUCUCYGAAC NNGGNAGGAN GUGNUGGAGN UG 32

(2) INFORMATION FOR SEQ ID NO:64:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:64:  
 GGGAGGACGA UGCGGNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN 50  
 NNNNNCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:65:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 32 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:65:  
 TAATACGACT CACTATAGGG AGGACGATGC GG 32

(2) INFORMATION FOR SEQ ID NO:66:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 17 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:66:  
 TCGGGCGAGT CGTCCTG 17

(2) INFORMATION FOR SEQ ID NO:67:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid

(C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:67:  
 GGGAGGACGA UGCGGCGCGU AUGUGUGAAA GCGUGUGCAC GGAGGCGUCU 50  
 ACAAUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:68:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:68:  
 GGGAGGACGA UGCGGGGCAU UGUGUGAAUA GCUGAUCCCA CAGGUAACAA 50  
 CAGCACAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:69:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:69:  
 GGGAGGACGA UGCGGUAAUG UGUGAAUCAA GCAGUCUGAA UAGAUUAGAC 50  
 AAAAUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:70:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:70:  
 GGGAGGACGA UGCGGAUGUG UGAGUAGCUG AGCGCCCGAG UAUGAWACCU 50



## (2) INFORMATION FOR SEQ ID NO:71:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:71:

GGGAGGACGA UGCGGAAACC UUGAUGUGUG AUAGAGCAUC CCCCAGGCCGA 50  
CGUACCAGAC GACUCGCCCCG A 71

## (2) INFORMATION FOR SEQ ID NO:72:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 70 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:72:

GGGAGGACGA UGCGGUUGAG AUGUGUGAGU ACAAGCUCAA AAUCCCGUUG 50  
GAGGCAGACG ACUCGCCCCG 70

## (2) INFORMATION FOR SEQ ID NO:73:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:73:

GGGAGGACGA UGCGGUAGAG GUAGUAUGUG UGGGAGAUGA AAUACUGUG 50  
GAAAGCAGAC GACUCGCCCCG A 71

## (2) INFORMATION FOR SEQ ID NO:74:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

(ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:74:  
 GGGAGGACGA UGCGGAAAGU UAUGAGUCCG UAUAUCAAGG UCGACAUGUG 50  
 UGAAUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:75:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:75:  
 GGGAGGACGA UGCGGCACGA AAAACCCGAA UUGGGUCGCC CAUAAGGAUG 50  
 UGUGACAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:76:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:76:  
 GGGAGGACGA UGCGGGUAAA GAGAUCCUAA UGGCUCGCUA GAUGUGAUGU 50  
 GAAACCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:77:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:77:  
 GGGAGGACGA UGCGGUAACA ACAAUCAAGG CGGGUUCACC GCCCCAGUAA 50  
 GAGUGCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:78:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:78:  
 GGGAGGACGA UGCGGUAACA ACAAUCAAGG CGGGUUYACC GCCCCAGUAU 50  
 GAGUACAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:79:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:79:  
 GGGAGGACGA UGCGGUAACA ACAAUCAAGG CGGGUUYACC GCUCCAGUAU 50  
 GAGUACAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:80:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:80:  
 GGGAGGACGA UGCGGUAACA ACAAUCAAGG CGGGUUCACC GCCCCAGUAU 50  
 GAGUGCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:81:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:

(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:81:  
GGGAGGACGA UGCGGACCAA GCAAUCUAUG GUCGAACGCU ACACAUGAAU 50  
GACGUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:82:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 71 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:82:  
GGGAGGACGA UGCGGGAACA UGAAGUAAUC AAAGUCGUAC CAAUAUACAG 50  
GAAGCCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:83:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 70 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:83:  
GGGAGGACGA UGCGGGACAU GAAGUAAGAC CGUCACAAUU CGAAUGAUUG 50  
AAUACAGACG ACUCGCCCCGA 70

(2) INFORMATION FOR SEQ ID NO:84:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 72 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:84:  
GGGAGGACGA UGCGGGAACA UGAAGUAAAA AGUCGACGAA UUAGCUGUAA 50  
CCAAAACAGA CGACUCGCCCC GA 72

(2) INFORMATION FOR SEQ ID NO:85:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 71 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:85:  
 GGGAGGACGA UGCGGGAACA UGAAGUAAAA GUCUGAGUUA GUAAAUUACA 50  
 GUGAUCAGAC GACUCGCCCG A 71

(2) INFORMATION FOR SEQ ID NO:86:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 72 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:86:  
 GGGAGGACGA UGCGGGAACU UGAAGUUGAA NUCGCUAAGG UUAUGGAUUC 50  
 AAGAUUCAGA CGACUGCCCC GA 72

(2) INFORMATION FOR SEQ ID NO:87:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:87:  
 GGGAGGACGA UGCGGAACAU GAAGUAAUAA GUCGACGUAA UUAGCUGUAA 50  
 CUAAACAGAC GACUCGCCCG A 71

(2) INFORMATION FOR SEQ ID NO:88:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 70 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:88:  
 GGGAGGACGA UGCGGAACAU GAAGUAAAAG UCUGAGUUAG AAUUAACAAG 50

## (2) INFORMATION FOR SEQ ID NO:89:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:89:

GGGAGGACGA UGCGGUAACA UAAAGUAGCG CGUCUGUGAG AGGAAGUGCC 50  
UGGAUCAGAC GACUCGCCCCG A 71

## (2) INFORMATION FOR SEQ ID NO:90:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:90:

GGGAGGACGA UGCGGAUAGA ACCGCAAGGA UAACCUCGAC CGUGGUCAAC 50  
UGAGACAGAC GACUCGCCCCG A 71

## (2) INFORMATION FOR SEQ ID NO:91:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 70 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:91:

GGGAGGACGA UGCGGUAAGA ACCGCUAGCG CACGAUCAA CAAAGAGAAA 50  
CAAACAGACG ACUCGCCCCGA 70

## (2) INFORMATION FOR SEQ ID NO:92:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

(ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:92:  
 GGGAGGACGA UGCGGUUCUC UCCAAGAACY GAGCGAAUAA ACSACCGGAS 50  
 UCACACAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:93:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:93:  
 GGGAGGACGA UGCGGUGUCU CUCCUGACUU UUAUUCUUAG UUCGAGCUGU 50  
 CCUGGCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:94:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:94:  
 GGGAGGACGA UGCGGCCGUA CAUGGUAARC CUCGAAGGAU UCCCCGGAUG 50  
 AUCCCCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:95:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:95:  
 GGGAGGACGA UGCGGUCCCA GAGUCCCGUG AUGCGAAGAA UCCAUUAGUA 50  
 CCAGACAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:96:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 70 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:96:  
 GGGAGGACGA UGCGGGAUGU AAAUGACAAA UGAACCUCGA AAGAUUGCAC 50  
 ACUCCAGACG ACUCGCCCCG 70

(2) INFORMATION FOR SEQ ID NO:97:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 72 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:97:  
 GGGAGGACGA UGCGGAUGUA AAUCUAGGCA GAAACGUAGG GCAUCCACCG 50  
 CAACGACAGA CGACUCGCCC GA 72

(2) INFORMATION FOR SEQ ID NO:98:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 70 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:98:  
 GGGAGGACGA UGCGGAUAAC CCAAGCAGCN UCGAGAAAGA GCUCCAUAGA 50  
 UGAUCAGACG ACUCGCCCCG 70

(2) INFORMATION FOR SEQ ID NO:99:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:



(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:99:  
GGGAGGACGA UGCGGCAAAG CACGCGUAUG GCAUGAAACU GGCANCCCCAA 50  
GUAAGCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:100:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 71 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:100:  
GGGAGGACGA UGCGGCAAAA GGUUGACGUA GCGAAGCUCU CAAAUGGUC 50  
AUGACCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:101:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 70 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:101:  
GGGAGGACGA UGCGGAAGUG AAGCUAAAGC GGAGGGCCAU UCAGUUUCNC 50  
ACCACAGACG ACUCGCCCCG A 70

(2) INFORMATION FOR SEQ ID NO:102:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 70 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:102:  
GGGAGGACGA UGCGGAAGUG AAGCUAAAGS GGAGGGCCAC UCAGAAACGC 50  
ACCACAGACG ACUCGCCCCG A 70

(2) INFORMATION FOR SEQ ID NO:103:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 71 base pairs  
(B) TYPE: nucleic acid

(C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:103:  
 GGGAGGACGA UGCGGCACCG CUAAGCAGUG GCAUAGCCCA GUAACCUGUA 50  
 AGAGACAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:104:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 67 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:104:  
 GGGAGGACGA UGCGGCACGC UAAGCAGUGG CAUAGCGWAA CCUGUAAGAG 50  
 ACAGACGACU CGCCCCG 67

(2) INFORMATION FOR SEQ ID NO:105:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:105:  
 GGGAGGACGA UGCGGAGAUU ACCAUAACCG CGUAGUCGAA GACAUAUAGU 50  
 AGCGACAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:106:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:106:  
 GGGAGGACGA UGCGGACUCG GGUAGAACGC GACUUGCCAC CACUCCCAUA 50

## (2) INFORMATION FOR SEQ ID NO:107:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:107:

GGGAGGACGA UGCGGUCAGA ACUCUGCCGC UGUAGACAAA GAGGAGCUUA 50  
GCGAACAGAC GACUCGCCCCG A 71

## (2) INFORMATION FOR SEQ ID NO:108:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:108:

GGGAGGACGA UGCGGAAUGA GCAUCGAGAG AGCGCGAACU CAUCGAGCGU 50  
ACUACAGAC GACUCGCCCCG A 71

## (2) INFORMATION FOR SEQ ID NO:109:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:109:

GGGAGGACGA UGCGGCAAAG CACGCGUAUG GCAUGAAACU GGCANCCCCAA 50  
GUAAGCAGAC GACUCGCCCCG A 71

## (2) INFORMATION FOR SEQ ID NO:110:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

(ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:110:  
 GGGAGGACGA UGCGGGAUGC AGCAACCUGA AACGCGCUC CACAGGUAUU 50  
 AACAGCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:111:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:111:  
 GGGAGGACGA UGCGGAAACU CGCUACAAAC ACCCAAUCCU AGAACGUUAU 50  
 GGAGACAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:112:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:112:  
 GGGAGGACGA UGCGGCUAGC AUAGCCACCG GAACAGACAG AUACGAGCAC 50  
 GAUCACAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:113:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:113:  
 GGGAGGACGA UGCGGGAUUC GGAGUACUGA AAAACAACCC UCAAAAGUGC 50  
 AUAGGCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:114:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:114:  
 GGGAGGACGA UGCGGGUCCA GGACGGACCG CAGCUGUGAU ACAAU CGACU 50  
 UACACCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:115:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:115:  
 GGGAGGACGA UGCGGAAACU CGCUACAAAC ACCCAAUCCU AGAACGUUUAU 50  
 GGAGACAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:116:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 70 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:116:  
 GGGAGGACGA UGCGGCGGCC CUUAUCGGAG GUCUGCGCCA CUAUUUACAU 50  
 CCACCAGACG ACUCGCCCCGA 70

(2) INFORMATION FOR SEQ ID NO:117:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 67 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:

(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub>, uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:117:  
 GGGAGGACGA UGCGGUCCAG AGCGUGAAGA UCAACGUCCC GGNGUCGAAG 50  
 ACAGACGACU CGCCCGA 67

(2) INFORMATION FOR SEQ ID NO:118:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 8 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub>, cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub>, uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:118:  
 AUGUGUGA 8

(2) INFORMATION FOR SEQ ID NO:119:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 15 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub>, cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub>, uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:119:  
 CAACAAUCAU GAGUR 15

(2) INFORMATION FOR SEQ ID NO:120:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 21 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub>, cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub>, uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:120:  
 AACAUAGAAGU AAGUCARUUA G 21

(2) INFORMATION FOR SEQ ID NO:121:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 11 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA

(ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:121:  
 AGAACCGCWA G 11

(2) INFORMATION FOR SEQ ID NO:122:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 7 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:122:  
 UCUCUCC 7

(2) INFORMATION FOR SEQ ID NO:123:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 10 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:123:  
 CGAAGAAUYC 10

(2) INFORMATION FOR SEQ ID NO:124:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 8 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:124:  
 AUGUAAAU 8

(2) INFORMATION FOR SEQ ID NO:125:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 8 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single

(D) TOPOLOGY: linear  
(ii) MOLECULAR TYPE: RNA  
(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:125:

AACCCAAG

8

(2) INFORMATION FOR SEQ ID NO:126:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 80 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:126:

CTACCTACGA TCTGACTAGC NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN 50

NNNNNNNNNN GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:127:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 20 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:127:

CTACCTACGA TCTGACTAGC 20

(2) INFORMATION FOR SEQ ID NO:128:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 25 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA

(xi) FEATURE:

(D) OTHER INFORMATION: N AT POSITION 2 AND 4 IS BIOTIN

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:128:

ANANAGGAAC TACATGAGAG TAAGC 25

(2) INFORMATION FOR SEQ ID NO:129:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 80 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:129:

CTACCTACGA TCTGACTAGC GGAACACGTG AGGTTTACAA GGCACCTCGAC 50

GTAAACACTT GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:130:



(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 80 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:130:  
 CTACCTACGA TCTGACTAGC CCCCGAAGAA CATTTTACAA GGTGCTAAAC 50  
 GTAAAATCAG GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:131:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 80 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:131:  
 CTACCTACGA TCTGACTAGC GGCATCCCTG AGTCATTACA AGGTTCTTAA 50  
 CGTAATGTAC GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:132:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 80 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:132:  
 CTACCTACGA TCTGACTAGC TGCACACCTG AGGGTTACAA GGCGCTAGAC 50  
 GTAACCTCTC GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:133:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 80 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:133:  
 CTACCTACGA TCTGACTAGC CACGTTTCAA GGGGTTACAC GAAACGATTC 50  
 ACTCCTTGGC GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:134:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 79 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:134:  
 CTACCTACGA TCTGACTAGC CGGACATGAG CGTTACAAGG TGCTAAACGT 50  
 AACGTACTTG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:135:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:135:

CTACCTACGA TCTGACTAGC CGCATCCACA TAGTTCAAGG GGCTACACGA 50  
 AATATTGCAG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:136:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:136:

CTACCTACGA TCTGACTAGC TACCCCTTGG GCCTCATAGA CAAGGTCTTA 50  
 AACGTTAGCG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:137:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:137:

CTACCTACGA TCTGACTAGC CACATGCCTG ACGCGGTACA AGGCCTGGAC 50  
 GTAACGTTGG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:138:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:138:

CTACCTACGA TCTGACTAGC TAGTGCTCCA CGTATTCAAG GTGCTAAACG 50  
 AAGACGGCCT GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:139:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:139:

CTACCTACGA TCTGACTAGC AGCGATGCAA GGGGCTACAC GCAACGATT 50  
 AGATGCTCTG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:140:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:140:

CTACCTACGA TCTGACTAGC CCAGGAGCAC AGTACAAGGT GTTAAACGTA 50  
 ATGTCTGGTG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:141:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:141:

CTACCTACGA TCTGACTAGC ACCACACCTG GCGGTACAA GGAGTTATCC 50  
 GTAACGTGTG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:142:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:142:

CTACCTACGA TCTGACTAGC CAAGGTAACC AGTACAAGGT GCTAAACGTA 50  
 ATGGCTTCGG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:143:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:143:

CTACCTACGA TCTGACTAGC ACCCCCGACC CGAGTACAAG GCATTGACG 50  
 TAATCTGGTG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:144:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:144:

CTACCTACGA TCTGACTAGC CAGTACAAGG TGTTAAACGT AATGCCGATC 50  
 GAGTTGTATG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:145:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 81 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:145:

CTACCTACGA TCTGACTAGC ACAACGAGTA CAAGGAGATA GACGTAATCG 50  
 GCGCAGGTAT CGCTTACTCT CATGTAGTTC C 81

(2) INFORMATION FOR SEQ ID NO:146:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:146:

CTACCTACGA TCTGACTAGC CACGACAGAG AACAAGGCGT TAGACGTTAT 50  
 CCGACCACGG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:147:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:147:

CTACCTACGA TCTGACTAGC AGGGAGAACA AGGTGCTAAA CGTTTATCTA 50  
 CACTTCACCT GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:148:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:148:

CTACCTACGA TCTGACTAGC AGGACCAAGG TGTAAACGG CTCCCCTGGC 50  
 TATGCCTCTT GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:149:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:149:

CTACCTACGA TCTGACTAGC TACACAAGGT GCTAAACGTA GAGCCAGATC 50  
 GGATCTGAGC GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:150:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:150:  
 CTACCTACGA TCTGACTAGC GGACAAGGCA CTCGACGTAG TTTATAACTC 50  
 CCTCCGGGCC GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:151:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 81 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:151:  
 CTACCTACGA TCTGACTAGC TACACAAGGG GCCAAACGGA GAGCCAGACG 50  
 CGGATCTGAC AGCTTACTCT CATGTAGTTC C 81

(2) INFORMATION FOR SEQ ID NO:152:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:152:  
 CTACCTACGA TCTGACTAGC CGGCTATACN NGGTGCTAAA CGCAGAGACT 50  
 CGATCAACAG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:153:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:153:  
 CTACCTACGA TCTGACTAGC GAGTAGCCAA GCGGTTAGAC GGAGGGGGAA 50  
 TGAAGCTTG GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:154:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 73 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:154:  
 CTACCTACGA TCTGACTAGC GAGTAGCCAA GCGGTTAGAC GGAGGGGGAA 50  
 TGGGCTTACT CTCATGTAGT TCC 73

(2) INFORMATION FOR SEQ ID NO:155:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:155:

CTACCTACGA TCTGACTAGC GAGTAGCCAA GGC GTTAGAC GGAGGGGGAA 50  
 TGTGAGCACA GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:156:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:156:

CTACCTACGA TCTGACTAGC TAGCTCCACA CACAASSCGC RGCACATAGG 50  
 GGATATCTGG GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:157:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:157:

CTACCTACGA TCTGACTAGC CATCAAGGAC TTTGCCCGAA ACCCTAGGTT 50  
 CACGTGTGGG GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:158:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:158:

CTACCTACGA TCTGACTAGC CATTACCAT GGCCCCTTCC TACGTATGTT 50  
 CTGCGGGTGG CTTACTCTCA TG TAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:159:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:159:

CTACCTACGA TCTGACTAGC GCAACGTGGC CCCGTTTAGC TCATTGACC 50  
 GTTCCATCCG GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:160:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:160:

CTACCTACGA TCTGACTAGC CCACAGACAA TCGCAGTCCC CGTGTAGCTC 50  
 TGGGTGTCTG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:161:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:161:

CTACCTACGA TCTGACTAGC CCACCGTGAT GCACGATACA TGAGGGTGTG 50  
 TCAGCGCATG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:162:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:162:

CTACCTACGA TCTGACTAGC CGAGGTAGTC GTTATAGGGT RCRACGACA 50  
 CAAARCRGTR GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:163:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:163:

CTACCTACGA TCTGACTAGC TGGCGGTACG GGCCGTGCAC CCACTTACCT 50  
 GGGAAGTGAG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:164:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 81 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:164:

CTACCTACGA TCTGACTAGC CTCTGCTTAC CTCATGTAGT TCCAAGCTTG 50  
 GCGTAATCAT GGCTTACTCT CATGTAGTTC C 81

(2) INFORMATION FOR SEQ ID NO:165:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:165:  
 CTACCTACGA TCTGACTAGC AGCGTTGTAC GGGGTTACAC ACAACGATTT 50  
 AGATGCTCTG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:166:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 81 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:166:  
 CTACCTACGA TCTGACTAGC TGATGCGACT TTAGTCGAAC GTTACTGGGG 50  
 CTCAGAGGAC AGCTTACTCT CATGTAGTTC C 81

(2) INFORMATION FOR SEQ ID NO:167:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 81 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167:  
 CTACCTACGA TCTGACTAGC CGAGGATCTG ATACTTATTG AACATAMCCG 50  
 CACNCAGGCT TGCTTACTCT CATGTAGTTC C 81

(2) INFORMATION FOR SEQ ID NO:168:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 73 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:168:  
 CTACCTACGA TCTGACTAGC CGATCGTGTG TCATGCTACC TACGATCTGA 50  
 CTAGCTTACT CTCATGTAGT TCC 73

(2) INFORMATION FOR SEQ ID NO:169:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:169:  
 CTACCTACGA TCTGACTAGC GCACACAAGT CAAGCATGCG ACCTTCAACC 50  
 ATCGACCCGA GCTTACTCTC ATGTAGTTCC 80



(2) INFORMATION FOR SEQ ID NO:170:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:170:

CTACCTACGA TCTGACTAGC ATGCCAGTGC AGGCTTCCAT CCATCAGTCT 50  
 GACANNNNNN GCTTACTCT CATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:171:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:171:

CTACCTACGA TCTGACTAGC CACTTCGGCT CTACTCCACC TCGGTCCTCC 50  
 ACTCCACAG GCTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:172:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:172:

CTACCTACGA TCTGACTAGC CGCTAACTGA CCCTCGATCC CCCCAGCCA 50  
 TCCTCATCGC GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:173:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 90 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:173:

CTACCTACGA TCTGACTAGC ATCTGACTAG CTCGGCGAGA GTACCCGCTC 50  
 ATGGCTTCGG CGAATGCCCT GCTTACTCTC ATGTAGTTCC 90

(2) INFORMATION FOR SEQ ID NO:174:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:174:

CTACCTACGA TCTGACTAGC TCCTGAGACG TTACAATAGG CTGCGGTACT 50  
 GCAACGTGGA GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:175:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:175:

CTACCTACGA TCTGACTAGC CGGCAGGGCA CTAACAAGGT GTTAAACGTT 50  
 ACGGATGCCG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:176:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 90 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:176:

CTACCTACGA TCTGACTAGC TGCACACCGG CCCACCCGGA CAAGGCGCTA 50  
 GACGAAATGA CTCTGTTCTG GCTTACTCTC ATGTAGTTCC 90

(2) INFORMATION FOR SEQ ID NO:177:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:177:

CTACCTACGA TCTGACTAGC GACGAAGAGG CCAAGGTGAT AACCGGAGTT 50  
 TCCGTCCGCG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:178:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 79 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:178:

CTACCTACGA TCTGACTAGC AAGGACTTAG CTATCCAAGG CACTCGACGA 50  
 AGAGCCCGAG CTTACTCTCA TGTAGTTCC 79

(2) INFORMATION FOR SEQ ID NO:179:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:179:

CTACCTACGA TCTGACTAGC ATGCCAGTT CAAGGTTCTG ACCGAAATGA 50  
 CTCTGTTCTG GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:180:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 80 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:180:  
 CTACCTACGA TCTGACTAGC GCAGCGTGGC CCTGTTTAGC TCATTTGACC 50  
 GTTCCATCCG GCTTACTCTC ATGTAGTTCC 80

(2) INFORMATION FOR SEQ ID NO:181:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:181:  
 TACAAGGYGY TAVACGTA 18

(2) INFORMATION FOR SEQ ID NO:182:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 8 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:182:  
 GGCCCCGT 8

(2) INFORMATION FOR SEQ ID NO:183:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 10 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:183:  
 RCACGAYACA 10

(2) INFORMATION FOR SEQ ID NO:184:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 7 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:184:  
 CTTACCT 7

(2) INFORMATION FOR SEQ ID NO:185:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 49 base pairs

(B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:185:  
 TAGCCAAGGT AACCAGTACA AGGTGCTAAA CGTAATGGCT TCGGCTTAC 49

(2) INFORMATION FOR SEQ ID NO:186:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 41 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:186:  
 GTAACCAAGTA CAAGGTGCTA AACGTAATGG CTTGGGCTTA C 41

(2) INFORMATION FOR SEQ ID NO:187:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 26 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:187:  
 CCAGTACAAG GTGCTAAACG TAATGG 26

(2) INFORMATION FOR SEQ ID NO:188:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 38 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:188:  
 CGCGGTAACC AGTACAAGGT GCTAAACGTA ATGGCGCG 38

(2) INFORMATION FOR SEQ ID NO:189:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 36 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:189:  
 GCGGTAACCA GTACAAGGTG CTAAACGTAA TGGCGC 36

(2) INFORMATION FOR SEQ ID NO:190:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 50 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:190:  
ACATGAGCGT TACAAGGTGC TAAACGTAAC GTACTTGCTT ACTCTCATGT 50

- (2) INFORMATION FOR SEQ ID NO:191:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 44 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:191:  
CGCGCGTTAC AAGGTGCTAA ACGTAACGTA CTTGCTTACT CGCG 44

- (2) INFORMATION FOR SEQ ID NO:192:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 26 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:192:  
GCGTTACAAG GTGCTAAACG TAACGT 26

- (2) INFORMATION FOR SEQ ID NO:193:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 52 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE:  
(ix) FEATURE:  
(D) OTHER INFORMATION: N at position 1 is an amino  
modifier C6 dT  
(ix) FEATURE:  
(D) OTHER INFORMATION: Nucleotide 51 is an inverted-  
orientation (3'3' linkage) phosphoramidite  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:193:  
NTAGCCAAGG TAACCAAGTAC AAGGTGCTAA ACGTAATGGC TTCGGCTTAC 50  
TT 52

- (2) INFORMATION FOR SEQ ID NO:194:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 48 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:194:  
TAGCCATTCA CCATGGCCCC TTCCTACGTA TGTTCTGCGG GTGGCTTA 48

- (2) INFORMATION FOR SEQ ID NO:195:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 47 base pairs  
(B) TYPE: nucleic acid

(C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:195:  
 AGCTGGCGGT ACGGGCCGTG CACCCACTTA CCTGGGAAGT GAGCTTA 47

(2) INFORMATION FOR SEQ ID NO:196:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 29 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: N at position 1 is an amimo  
 modifier C6 dT  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: Nucleotide number 28 is an  
 inverted-orientation (3'3' linkage) phosphoramidite  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:196:  
 NCCAGTACAA GGTGCTAAAC GTAATGGTT 29

(2) INFORMATION FOR SEQ ID NO:197:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH:40 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:197:  
 TAATACGACT CACTATAGGG AGACAAGAAT AAACGCTCAA 40

(2) INFORMATION FOR SEQ ID NO:198:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 24 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: DNA  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:198:  
 GCCTGTTGTG AGCCTCCTGT CGAA 24

(2) INFORMATION FOR SEQ ID NO:199:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 96 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:199:

GGGAGACAAG AAUAAACGCU CAACGAAUCA GUAAACAUAA CACCAUGAAA 50  
CAUAAAUAGC ACGCGAGACG UCUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO:200:  
 (i) SEQUENCE CHARACTERISTICS:  
     (A) LENGTH: 95 base pairs  
     (B) TYPE: nucleic acid  
     (C) STRANDEDNESS: single  
     (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:200:  
 GGGAGACAAG AAUAAACGCU CAACGAGUUC ACAUGGGAGC AAUCUCCGAA 50  
 UAAACAACAC GCKAKCGCAA AUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO:201:  
 (i) SEQUENCE CHARACTERISTICS:  
     (A) LENGTH: 96 base pairs  
     (B) TYPE: nucleic acid  
     (C) STRANDEDNESS: single  
     (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:201:  
 GGGAGACAAG AAUAAACGCU CAACGACCAC AAUACAAACU CGUAUGGAAC 50  
 ACGCGAGCGA CAGUGACGCA UUUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO:202:  
 (i) SEQUENCE CHARACTERISTICS:  
     (A) LENGTH: 97 base pairs  
     (B) TYPE: nucleic acid  
     (C) STRANDEDNESS: single  
     (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:202:  
 GGGAGACAAG AAUAAACGCU CAACGUCAAG CCAGAAUCCG GAACACGCGA 50  
 GAAAACAAAU CAACGACCAA UCGAUUCGAC AGGAGGCUCA CAAAGGC 97

(2) INFORMATION FOR SEQ ID NO:203:  
 (i) SEQUENCE CHARACTERISTICS:  
     (A) LENGTH: 97 base pairs  
     (B) TYPE: nucleic acid  
     (C) STRANDEDNESS: single  
     (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:203:  
 GGGAGACAAG AAUAAACNCU CAACGACCAC AAUAACCGGA AAUCCCCGCG 50  
 GUUACGGAAC ACGCGAACAU GAAUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:204:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 95 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:204:  
 GGGAGACAAG AAUAAACGCU CAACGAACCA CGGGGAAAUC CACCAGUAAC 50  
 ACGCGAGGCA AACAGACCCU CUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO:205:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:205:  
 GGGAGACAAG AAUAAACGCU CAACGAGCAA AAGUACUCAC GGGACCAGGA 50  
 GAUCAGCAAC ACGCGAGACG AAUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:206:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 96 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:206:  
 GGGAGACAAG AAUAAACGCU CAACGAGCCA GGAACAUCGA CGUCAGCAAA 50  
 CGCGAGCGCA ACCAGUAACA CCUUCGACAG GAGGCUCACA ACAGGC 96



(2) INFORMATION FOR SEQ ID NO:207:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 94 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE:RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:207:

GGGAGACAAG AAUAAACGCU CAACGCACCA GGAACAACGA GAACCAUCAG	50
UAAACGCGAG CGAUUGCAUG UUCGACAGGA GGCUCACAAC AGGC	94

(2) INFORMATION FOR SEQ ID NO:208:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 94 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:208:

GGGAGACAAG AAUAAACGCU CAACGCACCA GGAACAACAA GAACCAUCAG	50
UAAGCGCGAG CGAUUGCAUA UUCGACAGGA GGCUCACAAC AGGC	94

(2) INFORMATION FOR SEQ ID NO:209:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 101 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE:RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:209:

GGGAGACAAG AAUAAACGCU CAACGAGCAA GGAACGAAUA CAAACCAGGA	50
AACUCAGCAA CACGCGAGCA GUAAGAAUUC GACAGGAGGC UCACAACAGG	100
C	101

(2) INFORMATION FOR SEQ ID NO:210:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 97 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE:

(ix) FEATURE:

(D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:210:  
 GGGAGACAAG AAUAAACGCU CAACAGUUCA CUCAACCGGC ACCAGACUAC 50  
 GAUCAGCAUU GCGGAGUGAA CACUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:211:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 96 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:211:  
 GGGAGACAAG AAUAAACGCU CAACUGGCAA CGGGAUAACA ACAAUGUCA 50  
 CCAGCACUAG CGAGACGGAA GGUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO:212:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:212:  
 GGGAGACAAG AAUAAACGCU CAACGAUGAG CGUGACCGAA GCUAUAAUCA 50  
 GGUCGAUUA CCAAGCAAUC UUAUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:213:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 95 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:213:  
 GGGAGACAAG AAUAAACGCU CAAAGGAUCA CACAAACAUC GGUCAAUAAA 50  
 UAAGUAUUGA UAGCGGGGAU AUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO:214:  
 (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 97 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:214:

GGGAGACAAG AAUAAACGCU CAACAACCCA ACCAUCUAGA GCUUCGAACC	50
AUGGUUAUACA AGGGAACACA AAUUCGCGG AGGCUCCAAC AGGCGGC	97

(2) INFORMATION FOR SEQ ID NO:215:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 96 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY:linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:215:

GGGAGACAAG AAUAAACGCU CAAGCGGUCA GAAACAAUAG CUGGAUACAU	50
ACCGCGCAUC CGCUGGGCGA UAUUCGACAG GAGGCUCACA ACAGGC	96

(2) INFORMATION FOR SEQ ID NO:216:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 97 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:216:

GGGAGACAAG AAUAAACGCU CAAACAAGAG AGUCAACCA AGUGAGAUCA	50
GAGCGUUUAG CGCGGAAAGC ACAUUCGACA GGAGGCUCAC AACAGGC	97

(2) INFORMATION FOR SEQ ID NO:217:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 96 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:217:  
GGGAGACAAG AAUAAACGCU CAAACUCGAC UAGUAAUCAC CCUAGCAUAA 50  
AUCUCCUCGA GCACAGACGA UAUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO:218:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 94 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULAR TYPE:RNA  
(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-F cytosine  
(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-F uracil  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:218:  
GGGAGACAAG AAUAAACGCU CAAUCAGCAG UAAGCGAUCC UAUAAAGAUC 50  
AACUAGCCAA AGAUGACUUA UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO:219:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 95 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULAR TYPE:RNA  
(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-F cytosine  
(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-F uracil  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:219:  
GGGAGACAAG AAUAAACGCU CAAAAGACG UAUUCGAUUC GAAACGAGAA 50  
AGACUUCAAG UGAGCCCGCA GUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO:220:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 49 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULAR TYPE:RNA  
(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-F cytosine  
(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-F uracil  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:220:  
CUCAACGAU CAGUAAACAU AACACCAUGA AACAUAAUA GCACGCGAG 49

(2) INFORMATION FOR SEQ ID NO:221:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 47 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:221:  
 CUCAACGAGU UCACAUGGGA GCAAUCUCCG AAUAAACAAC ACGCGAG 47

- (2) INFORMATION FOR SEQ ID NO:222:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 39 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULAR TYPE:RNA
  - (ix) FEATURE:
    - (D) OTHER INFORMATION: All C's are 2'-F cytosine
  - (ix) FEATURE:
    - (D) OTHER INFORMATION: All U's are 2'-F uracil
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:222:  
 CUCAACGAAC CACGGGGAAA UCCACCAGUA ACACGCGAG 39

- (2) INFORMATION FOR SEQ ID NO:223:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 38 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULAR TYPE:RNA
  - (ix) FEATURE:
    - (D) OTHER INFORMATION: All C's are 2'-F cytosine
  - (ix) FEATURE:
    - (D) OTHER INFORMATION: All U's are 2'-F uracil
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:223:  
 CUCAACGAGC CAGGAACAUC GACGUCAGCA AACGCGAG 38

- (2) INFORMATION FOR SEQ ID NO:224:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 42 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULAR TYPE:RNA
  - (ix) FEATURE:
    - (D) OTHER INFORMATION: All C's are 2'-F cytosine
  - (ix) FEATURE:
    - (D) OTHER INFORMATION: All U's are 2'-F uracil
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:224:  
 CGCUCAACGA GCCAGGAACA UCGACGUCAG CAAACGCGAG CG 42

- (2) INFORMATION FOR SEQ ID NO:225:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 35 base pairs
    - (B) TYPE: nucleic acid

(C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:225:  
 CUCAACGAGC CAGGACUACG AUCAGCAAAC GCGAG

35

(2) INFORMATION FOR SEQ ID NO:226:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 42 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:226:  
 CUCAACGCAC CAGGAACAAC GAGAACCAUC AGUAAACGCG AG

42

(2) INFORMATION FOR SEQ ID NO:227:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 42 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:227:  
 CUCAACGCAC CAGGAACAAC AAGAACCAUC AGUAAGCGCG AG

42

(2) INFORMATION FOR SEQ ID NO:228:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 40 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:228:  
 CACUCAACCG GCACCAGACU ACGAUCAGCA UUGGCGAGUG

40

(2) INFORMATION FOR SEQ ID NO:229:  
 (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 45 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:229:  
 GAAUCCGGAA CACGCGAGAA AACAAAUCAA CGACCAAUCG AUUCG 45

(2) INFORMATION FOR SEQ ID NO:230:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 38 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (ix) FEATURE:  
 (B) LOCATION: 7, 9, 14, 21  
 (D) OTHER INFORMATION: G are 2'-O-methyl guanine  
 (ix) FEATURE:  
 (B) LOCATION: 8, 15, 18, 22, 27, 31  
 (D) OTHER INFORMATION: A are 2'-O-methyl adenine  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:230:  
 CUCAACGAGC CAGGAACAUC GACGUCAGCA AACGCGAG 38

(2) INFORMATION FOR SEQ ID NO:231:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 38 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (ix) FEATURE:  
 (B) LOCATION:7, 9, 13, 14, 21, 24, 28  
 (D) OTHER INFORMATION: G are 2'-O-methyl-guanine  
 (ix) FEATURE:  
 (B) LOCATION:8, 15, 18, 22, 27, 30, 31  
 (D) OTHER INFORMATION: A are 2'-O-methyl-adenine  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:231:  
 CUCAACGAGC CAGGAACAUC GACGUCAGCA AACGCGAG 38

(2) INFORMATION FOR SEQ ID NO:232:  
 (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 38 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (ix) FEATURE:
  - (B) LOCATION: 7, 9, 14, 21, 36
  - (D) OTHER INFORMATION: G are 2'-O-methyl-guanine
- (ix) FEATURE:
  - (B) LOCATION:8, 15, 18, 22, 27, 31, 37
  - (D) OTHER INFORMATION: A are 2'-O-methyl-adenine
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:232:

CUCAACGAGC CAGGAACAUC GACGUCAGCA AACGCGAG 38

(2) INFORMATION FOR SEQ ID NO:233:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 38 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (ix) FEATURE:
  - (B) LOCATION: 7, 9, 13, 14, 21, 24, 28, 36
  - (D) OTHER INFORMATION: G are 2'-O-methyl-guanine
- (ix) FEATURE:
  - (B) LOCATION: 8, 15, 18, 22, 27, 30, 31, 37
  - (D) OTHER INFORMATION: A are 2'-O-methyl-adenine
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:233:

CUCAACGAGC CAGGAACAUC GACGUCAGCA AACGCGAG 38

(2) INFORMATION FOR SEQ ID NO:234:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 38 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (ix) FEATURE:
  - (B) LOCATION:7, 9, 14
  - (D) OTHER INFORMATION: G are 2'-O-methyl-guanine
- (ix) FEATURE:
  - (B) LOCATION:8, 15, 18, 27, 31



(D) OTHER INFORMATION: A are 2'-O-methyl-adenine  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:234:  
CUCAACGAGC CAGGAACAUC GACGUCAGCA AACGCGAG 38

(2) INFORMATION FOR SEQ ID NO:235:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 38 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULAR TYPE:RNA  
(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-F cytosine  
(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-F uracil  
(ix) FEATURE:  
(B) LOCATION: 7, 9, 13, 14, 24  
(D) OTHER INFORMATION: G are 2'-O-methyl-guanine  
(ix) FEATURE:  
(B) LOCATION: 8, 15, 18, 22, 27, 31  
(D) OTHER INFORMATION: A are 2'-O-methyl-adenine  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:235:  
CUCAACGAGC CAGGAACAUC GACGUCAGCA AACGCGAG 38

(2) INFORMATION FOR SEQ ID NO:236:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 59 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULAR TYPE:RNA  
(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-F cytosine  
(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-F uracil  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:236:  
CUCAACGAGC AAAAGUACUC ACGGGACCAG GAGAUAGCA ACACGCGAGA 50  
CGAAAUUCG 59

(2) INFORMATION FOR SEQ ID NO:237:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 43 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULAR TYPE:RNA  
(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-F cytosine  
(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-F uracil  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:237:  
CGCUCAACGA CCACAAUACA AACUCGUAUG GAACACGCGA GCG 43

(2) INFORMATION FOR SEQ ID NO:238:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 51 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:238:  
 CGCUCAACUG GCAACGGGAU AACAACAAU GUCACCAGCA CUAGCGAGAC 50  
 G 51

(2) INFORMATION FOR SEQ ID NO:239:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 41 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:239:  
 UCACUCAACC GGCACCAGAC UACGAUCAGC AUUGGCGAGU G 41

(2) INFORMATION FOR SEQ ID NO:240:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 70 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:240:  
 GGGAGACAAG AAUAAACGCU CAACGAGCAA GGAACGAAUA CAAACCAGGA 50  
 AACUCAGCAA CACGCGAGCA 70

(2) INFORMATION FOR SEQ ID NO:241:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 51 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:241:  
CUCAACGACC ACAUAACCG GAAAUCCCCG CGGUUACGGA ACACGCGAAC 50  
A 51

- (2) INFORMATION FOR SEQ ID NO:242:
- (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 69 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULAR TYPE:RNA
  - (ix) FEATURE:
    - (D) OTHER INFORMATION: All C's are 2'-F cytosine
  - (ix) FEATURE:
    - (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:242:  
AGAAUAAACG CUCAACGAUG AGCGUGACCG AAGCUAUAU CAGGUCGAU 50  
CACCAAGCAA UCUUAUUCG 69

- (2) INFORMATION FOR SEQ ID NO:243:
- (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 50 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULAR TYPE:RNA
  - (ix) FEATURE:
    - (D) OTHER INFORMATION: All C's are 2'-F cytosine
  - (ix) FEATURE:
    - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:243:  
ACGCUCAAAG GAUCACACAA ACAUCGGUCA AUAAAUAGU AUUGAUAGCG 50

- (2) INFORMATION FOR SEQ ID NO:244:
- (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 52 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULAR TYPE:RNA
  - (ix) FEATURE:
    - (D) OTHER INFORMATION: All C's are 2'-F cytosine
  - (ix) FEATURE:
    - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:244:  
GCUCAAGCGG UCAGAAACAA UAGCUGGAUA CAUACCGCGC AUCCGUGGG 50  
CG 52

- (2) INFORMATION FOR SEQ ID NO:245:
- (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 58 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:245:  
 ACCAUCUAGA GCUUCGAACC AUGGUAUACA AGGGAACACA AAAUUCGCGG 50  
 AGGCUCCA 58

(2) INFORMATION FOR SEQ ID NO:246:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 96 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:246:  
 GGGAGACAAG AUAACGCUC AAACAAGAGA GUCAAACCAA GUGAGAUCA 50  
 AGCGUUUAGC GCGGAAAGCA CAUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO:247:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 87 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:247:  
 GGGAGACAAG AAUAAACGCU CAAAAGACG UAUUCGAUUC GAAACGAGAA 50  
 AGACUUAAG UGAGCCCGCA GUUCGACAGG AGGCUCA 87

(2) INFORMATION FOR SEQ ID NO:248:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:248:  
 GGGAGACAAG AAUAAACGCU CAANNNNNNN NNNNNNNNNN NNNNNNNNNN 50  
 NNNNNNNNNN NNNNNNNNNN NNNUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:249:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 40 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:249:  
 TAATACGACT CACTATAGGG AGACAAGAAT AAACGCTCAA 40

(2) INFORMATION FOR SEQ ID NO:250:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 24 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: DNA
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:250:  
 GCCTGTTGTG AGCCTCCTGT CGAA 24

(2) INFORMATION FOR SEQ ID NO:251:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 97 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:251:  
 GGGAGACAAG AAUAAACGCU CAAGCCCCAA ACGCAAGCGA GCAUCCGCAA 50  
 CAGGGAAGAA GACAGACGAA UGAUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:252:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 97 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:252:  
 GGGAGACAAG AAUAAACGCU CAAGCCCCAA ACGCAAGUGA GCAUCCGCAA 50  
 CAGGGAAGAA GACAGACGAU UGAUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:253:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 98 base pairs
  - (B) TYPE: nucleic acid

(C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:253:  
 GGGAGACAAG AAUAAAACNC UCAAGCCCCA AACGCAAGUG AGCAUCCGCA 50  
 ACAGGGAAGA AGACAGAUGA AUGAUUCGAC AGGAGGCUCA CAACAGGC 98

(2) INFORMATION FOR SEQ ID NO:254:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 95 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:254:  
 GGGAGACAAG AAUAAAACNCU CAAGCCCCAA GCAAGUGAGC AUCCGCAACA 50  
 GGGAAGAAGA CAGACGAGUG AUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO:255:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:255:  
 GGGAGACAAG AAUAAAACNCU CAAGCCCCAA ACGCAAGUGA GCAUCCGCAA 50  
 CAGGGAAGAA GACAGACGAA UGAUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:256:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:256:  
 GGGAGACAAG AAUAAAACGCU CAAGCAAAAG GCGUAAAUAC ACCUCCGCAA 50

## (2) INFORMATION FOR SEQ ID NO:257:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 98 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE:RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:257:

GGGAGACAAG	AAUAAACGCU	CAAACAGCUA	CAAGUGGGAC	AACAGGGUAC	50
AGCGGAGAGA	AACAUCCAAA	CAAGUUCGAC	AGGAGGCUCA	CAACAGGC	98

## (2) INFORMATION FOR SEQ ID NO:258:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 95 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE:RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:258:

GGGAGACAAG	AAUAAACGCU	CAAUUAACU	AAACAACGCA	GUCACGAGAA	50
CGACCGGKCU	GACUCCGAAA	GUUCGACAGG	AGGCUCACAA	CAGGC	95

## (2) INFORMATION FOR SEQ ID NO:259:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 95 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE:RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:259:

GGGAGACAAG	AAUAAACGCU	CAAACGAGAG	CACCAAGGCA	ACAGAUGCAG	50
AAGAAGUGUG	CGCGCGCGAA	AUUCGACAGG	AGGCUCACAA	CAGGC	95

## (2) INFORMATION FOR SEQ ID NO:260:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 98 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:260:  
 GGGAGACAAG AAUAAACGCU CAAUAAGACA ACGAACAGAC AGAAGCGAAA 50  
 AAGGGGCGCC GCAGCAACAA CAAAUUCGAC AGGAGGCUCA CAACAGGC 98

(2) INFORMATION FOR SEQ ID NO:261:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 94 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:261:  
 GGGAGACAAG AAUAAACGCU CAACGUGUAC CACAACAGUU CCACGGAAGC 50  
 UGGAAUAGGA CGCAGAGGAA UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO:262:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 94 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:262:  
 GGGAGACAAG AAUAAACGCU CAAACAAA AUUUGGUGGGC CCCGCAACMG 50  
 GGRGGRAGRC CGUUGAAGGC UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO:263:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 94 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:263:  
 GGGAGACAAG AAUAAACGCU CAAGAUCAUA ACGAGAGGAG AGGGAGAACU 50  
 ACACGCGCGC GAGGAAAGAG UUCGACAGGA GGCUCACAAC AGGC 94



(2) INFORMATION FOR SEQ ID NO:264:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 89 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:264:

GGGAGACAAG AAUAAACGCU CAAACACAAA UCGGGCAGGG ACUGGGUUGG	50
GCACGGCAGG GCGCCUUCGA CAGGAGGCUC ACAACAGGC	89

  

(2) INFORMATION FOR SEQ ID NO:265:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 97 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:265:

GGGAGACAAG AAUAAACGCU CAAGUGGGCU CGGGCCGGAU GUCUACGGGU	50
GUGAAGAAAC CCCUAGGGCA GGGUUCGACA GGAGGCUCAC AACAGGC	97

  

(2) INFORMATION FOR SEQ ID NO:266:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 95 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:RNA
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:266:

GGGAGACAAG AAUAAACGCU CAAGAUACAGC GGAACUAAGA AAUGGAAGGC	50
UAAGCACCGG GAUCGGGAGA AUUCGACAGG AGGCUCACAA CAGGC	95

  

(2) INFORMATION FOR SEQ ID NO:267:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 95 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:267:  
 GGGAGACAAG AAUAAACGCU CAAUAAACAAA GCAGCAAAGU ACCAGAGGAG 50  
 AGUUGGCAGG GUUUAGGCAG CUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO:268:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 95 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:268:  
 GGGAGACAGA AUAAACGCUC AAAGACCAAG GGACAGCAGC GGGGAAAAAC 50  
 AGAUCACAGC UGUAAGAGGG CUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO:269:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 93 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:269:  
 GGGAGACAAG AAUAAACGCU CAAAGUCGGG GAUAGAAACA CACUAAGAAG 50  
 UGCAUCAGGU AGGAGAUAAU UCGACAGGNG GCUCACAACA GGC 93

(2) INFORMATION FOR SEQ ID NO:270:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 95 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:270:  
 GGGAGACAAG AAUAAACGCU CAAGAGUAUC ACACAAACCG GCACGGACUA 50  
 AGCAGAAGGA GGUACGGAAG AUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO:271:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 94 base pairs

(B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:271:  
 GGGAGACAAG AAUAAACNCU CAACGAAUA GAAGGAACAG AAGAAUGGBG 50  
 AWGNGGGAAA UGGCAACGAA UUCGACAGGN GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO:272:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:272:  
 GGGAGACAAG AAUAAACGCU CAAACGAGAC CCUGGAUACG AGGCUGAGGG 50  
 AAAGGGAGMM MRRAMCUARR CKCUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:273:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 96 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:273:  
 GGGAGACAAG AAUAAACGCU CAAGAAGGAU ACUUAGGACU ACGUGGGAUG 50  
 GGAUGAAAUG GGAGAACGGG AGUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO:274:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 96 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:274:

GGGAGACAAG AAUAAACGCU CAAAACGCAC AAAGUAAGGG ACGGGAUGGA 50  
 UCGCCCUAGG CUGGAAGGGA ACUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO:275:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 96 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE:RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:275:

GGGAGACAAG AAUAAACGCU CAAGGUGAAC GGCAGCAAGG CCCAAAACGU 50  
 AAGGCCGGAA ACNGGAGAGG GAUUCGACAG GNGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO:276:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 96 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE:RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:276:

GGGAGACAAG AAUAAACGCU CAAUGAUUA CACGUAAGCA CUGAACCAGG 50  
 CUGAGAUCCA UCAGUGCCCA GGUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO:277:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 94 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE:RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:277:

GGGAGACAAG AAUAAACGCU CAAGAUCAUA ACGAGAGGAG AGGGAGAACU 50  
 ACACGCGCGC GAGGAAAGAG UUCGACAGGA GGCUCACAAC AGGC 94

(2) INFORMATION FOR SEQ ID NO:278:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 96 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:278:  
 GGGAGACAAG AAUAAACGCU CAAUCAAGUA AGGAGGAAGG GUCGUGACAG 50  
 AAAAACGAGC AAAAAACGCG AGUUCGACAG GAGGCUCACA ACAGGC 96

(2) INFORMATION FOR SEQ ID NO:279:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 93 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil (xi)  
 SEQUENCE DESCRIPTION: SEQ ID NO:279:  
 GGGAGACAAG AAUAAACGCU CAAAAGGUGC CGGGUUGGAG GGGUAGCAAG 50  
 AAAUGGCUAG GCGCAGCAU UCGACAGGNG GCUCACAACA GGC 93

(2) INFORMATION FOR SEQ ID NO:280:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:280:  
 GGGAGACAAG AAUAAACGCU CAACCAACGC GCACCCCGCA GCAAACGAAA 50  
 UUGGGGAGAC AGGUGCAAGA CAGUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:281:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:281:  
 GGGAGACAAG AAUAAACKCU CAACAAACAA UAUCGGCGCA GGAAAACGUA 50  
 GAAACGAAAM GGAGCUGCGY GGAUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:282:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 93 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:282:

GGGAGACAAG AAUAAACGCU CAAUGAUAGC ACAGUGUAUA AGAAAACGCA	50
ACACCGCGCG CGGAAAGAGU UCGACAGGAG GCUCACAACA GGC	93

(2) INFORMATION FOR SEQ ID NO:283:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 96 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:283:

GGGAGACAAG AAUAAACGCU CAAGAUCAUC GCAGUAUCGG AAUCGACCCU	50
CAGUGGGUGA CAUGC GGACA AGUUCGACAG GAGGCUCACA ACAGGC	96

(2) INFORMATION FOR SEQ ID NO:284:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 97 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:284:

GGGAGACAAG AAUAAACGCU CAAGUACCGG GAAGGGAUGA ACUGGGAUUAU	50
GGGAACGGAG GUCAGAGGCA CGAUUCGACA GGAGGCUCAC AACAGGC	97

(2) INFORMATION FOR SEQ ID NO:285:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 97 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE:RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine

(ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:285:  
 GGGAGACAAG AAUAAACGCU CAAGCAAUGG AACGCUAGGA GGGAACAUAA 50  
 GCAGGGCGAG CGGAGUCGAU AGCUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:286:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:286:  
 GGGAGACAAG AAUAAACGCU CAAAACAGAA CUGAUCGGCG CAGGUUGAUA 50  
 AAGGGGCAGC GCGAAGAUCA CAAUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:287:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:287:  
 GGGAGACAAG AAUAAACGCU CAAGGGAAAC GGAAAGGGAC AAGGCGAACA 50  
 GACGAGAAGU AGACGGAGUA GGAUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:288:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE:RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:288:  
 GGGAGACAAG AAUAAACGCU CAANNAGAGG AAGGGCACGC AAGGAAACAA 50  
 AACACAAAGC AGAAGUAGUA AGAUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:289:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 95 base pairs

(B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:289:  
 GGGAGACAAG AAUAAACGCU CAAGUACRCA GUGAGCAGAA GCAGAGAGAC 50  
 UUGGGAUGGG AUGAAAUGGK CUUCGACAGG AGGCUCACAA CAGGC 95

(2) INFORMATION FOR SEQ ID NO:290:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:290:  
 GGGAGACAAG AAUAAACNCU CAACCGACGU GGACDCGCAU CGGCAUCCAG 50  
 ACCAGGCUGN BCNGCACCAS ACGUUCGACA GGAGGCUCAC AACAGGC 97

(2) INFORMATION FOR SEQ ID NO:291:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 11 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-NH<sub>2</sub> cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-NH<sub>2</sub> uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:291:  
 GGGGAAGAAGA C 11

(2) INFORMATION FOR SEQ ID NO:292:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 66 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:292:  
 GGGAGGACGA UGCGGNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN 50



## (2) INFORMATION FOR SEQ ID NO:293:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 61 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:293:

GGGAGGACGA UGCGGGCAAA UUGCAUGCGU UUUCGAGUGC UUGCUCAGAC 50  
GACUCGCCCCG A 61

## (2) INFORMATION FOR SEQ ID NO:294:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:294:

GGGAGGACGA UGCGGUGCUU AAACAACGCG UGAAUCGAGU UCAUCCACUC 50  
CUCCUCAGAC GACUCGCCCCG A 71

## (2) INFORMATION FOR SEQ ID NO:295:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 72 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULAR TYPE: RNA

## (ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

## (ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:295:

GGGAGGACGA UGCGGUUAAU UCAGUCUCAA ACGGUGCGUU UAUCGAGCCA 50  
CUGAUCWGAC GACUCGCCCCG AA 72

## (2) INFORMATION FOR SEQ ID NO:296:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

(D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:296:

GGGAGGACGA UGCGGCUUAG AGCUCAAACG GUGUGACUUU CAAGCCCUCU 50

AUGCCCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:297:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 61 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

(D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:297:

GGGAGGACGA UGCGGUACCU CAAAUUGCGU GUUUUCAAGC AGUAUCAGAC 50

GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:298:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 61 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

(D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:298:

GGGAGGACGA UGCGGACCCU CAAAUACGU GUCUUUCAAG UUGGUCAGAC 50

GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:299:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 61 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

(D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:299:

GGGAGGACGA UGCGGACCCU CAAAUAGCGU GCAUUUCAAG CUGGUCAGAC 50

GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:300:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 61 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:300:

GGGAAGACGA UGCGGCGCUC AAAUAAUGCG UUAUUCGAAU UCGCCCAGAC 50  
GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:301:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:301:

GGGAGGACGA UGCGGCAAAC AAGCUCAAU GACGUGUUUU UCAAGUCCUU 50  
GUUGUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:302:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:302:

GGGAGGACGA UGCGGUAGUA AGUCUCAAU GUUGCGUUUU UCGAAACACU 50  
UACAUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:303:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 62 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:303:  
 GGGAGGACGA UGCGGAGACU CAA AUGGUGU GUUUCAAGC CUCUCCAGU 50  
 CGACUCGCCC GA 62

(2) INFORMATION FOR SEQ ID NO:304:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 63 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:304:  
 GGGAGGACGA UGCGGUGCUC AA AUGAUGCG UUCUCGAAU CCACCCAGAC 50  
 GACUCGCCCC AGG 63

(2) INFORMATION FOR SEQ ID NO:305:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:305:  
 GGGAGGACGA UGCGGCCAUC GGUCUUGGGC AACGCGUUUU CGAGUUACCU 50  
 AUGGUCAGAC GACUCGCCCC A 71

(2) INFORMATION FOR SEQ ID NO:306:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 70 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:306:  
 GGGAGGACGA UGCGGCCAUC GGUCUUGGGC AACGCGUUUU CGAGUUACCU 50  
 ACAUCAGACG ACUCGCCCCA 70

(2) INFORMATION FOR SEQ ID NO:307:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 61 base pairs

(B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:307:  
 GGGAGGACGA UGCGGGACCC UUAGGCAACG UGUUUUCAAG UUGGUCAGAC 50  
 GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:308:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:308:  
 GGGAGGACGA UGCGGACGUA GCUCUUAGGC AAUGCGUAUU UCGAAUUAGC 50  
 UGUGUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:309:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:309:  
 GGGAGGACGA UGCGGAGUCU UAGGCAGCGC GUUUUCGAGC UACUCCAUCG 50  
 CCAGUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:310:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:310:

GGGAAGACGA UGCGGAAUGC UCUUAGGCAG CGCGUUAUUC GAGCUAGCAC 50  
 AUCCUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:311:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:311:  
 GGGAGGACGA UGGGGAGUCU UAGGCAGCGC GUUUUCGAGC UACUCCAUCG 50  
 CCAGUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:312:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:312:  
 GGGAGGACGA UGCGGUAAUC UCUUAGGCAU CGCGUUAUUC GAGAUAGAUC 50  
 ACCGUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:313:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:313:  
 GGGAGGACGA UGCGGCAAUG UCHCUUAGGC CACGCGUUAU UCGAGCGUGA 50  
 CUGUCAGACG ACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:314:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:314:  
 GGGAGGACGA UGCGGCAUGG UC UUAGGCGA CGGUUUUAU UCGAGUCACC 50  
 AUGCUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:315:  
 (i) SEQUENCE CHARACTERISTICS:  
     (A) LENGTH: 61 base pairs  
     (B) TYPE: nucleic acid  
     (C) STRANDEDNESS: single  
     (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:315:  
 GGGAGGACGA UGCGGGAUGC UUAGGCGCCG UGUUUUCAAG GCCAUCAGAC 50  
 GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:316:  
 (i) SEQUENCE CHARACTERISTICS:  
     (A) LENGTH: 72 base pairs  
     (B) TYPE: nucleic acid  
     (C) STRANDEDNESS: single  
     (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:316:  
 GGGAGGACGA UGCGGUAAUU GUCUUAGGCG CCGUGUUAUC AAGGCACAAU 50  
 UUCCUCAGA CGACUCGCCC GA 72

(2) INFORMATION FOR SEQ ID NO:317:  
 (i) SEQUENCE CHARACTERISTICS:  
     (A) LENGTH: 71 base pairs  
     (B) TYPE: nucleic acid  
     (C) STRANDEDNESS: single  
     (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:317:  
 GGGAAGACGA UGCGGCUACU AGUGUCUAG GCGGAGUGUU UAUCAAUCCA 50  
 CACAUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:318:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 61 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:318:

GGGAGGACGA UGCGGACUGA CUUAGGCUGC GCGCACUUCG AGCAUCAGAC	50
GACUCGCCCCG A	61

(2) INFORMATION FOR SEQ ID NO:319:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 70 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:319:

GGGAGGACGA UGCGGUGGUG UGUCUUUGGC ACCGCGUAUU UUCGAGGUAC	50
ACAUCAGACG ACUCGCCCCGA	70

(2) INFORMATION FOR SEQ ID NO:320:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 70 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:320:

GGGAGGACGA UGCGGUGGUG UGUCUUUGGC ACCGCGUAUU CUCGAGGUAC	50
ACAUCAGACG ACUCGCCCCGA	70

(2) INFORMATION FOR SEQ ID NO:321:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 61 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine



(ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:321:  
 GGGAGGACGA UGCGGGCUCU UCAGCAACGU GUUAUCAAGU UAGCCCAGAC 50  
 GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:322:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:322:  
 GGGAGGACGA UGCGGCGUAA CUUCAGCGGU GUGUUAUCA AGCCUUACGC 50  
 CAUCUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:323:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 59 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:323:  
 GAGGACGAUG CGGGCUCUUA AGCAACGUGU UAUCAAGUUA GCCCAGACGA 50  
 CUCGCCCCG A 59

(2) INFORMATION FOR SEQ ID NO:324:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:324:  
 GGGAGGACGA UGCGGUCUCA AGCAUAGCGU UUAUCGAAU ACCGUACGCC 50  
 UCCGUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:325:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:325:

GGGAGGACGA UGCGGAAAUUC UCUUAAGCAG CGUGUAAAUUC AAGCUAGAUC 50  
 UUCGUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:326:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 61 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:326:

GGGAGGACGA UGCGGUUCUU AAGCAGCGCG UCAAUCGAGC UAACCCAGAC 50  
 GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:327:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 62 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:327:

GGGAGGACGA UGCGGAUCUU AAGCAGCGCG UCAAUCGAGC UAACCCAGAC 50  
 GACUCGCCCCG AG 62

(2) INFORMATION FOR SEQ ID NO:328:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 75 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:328:

ACAGCUGAUG ACCAUGAUUA CGCCAAGCUU AAGCAGCGCG UUUUCGAGCU 50  
CAUGUUGGUC AGACGACUCG CCCGA 75

(2) INFORMATION FOR SEQ ID NO:329:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:329:

GGGAGGACGA UGCGGAGGGU CUUAAGCAGU GUGAUAAUCA AACUACUCUC 50  
CGUGUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:330:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 62 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:330:

GGGAGGACGA UGCGGGAUCU UAAGCAGUGC GUUAUUCGAA CUAUCCCGA 50  
CGACUCGCCC GA 62

(2) INFORMATION FOR SEQ ID NO:331:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 70 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:331:

GGGAGGACGA UGCGGUGCUA UUCUUAAGCG GCGUGUUUUU CAAGCCAAUA 50  
UCAUCAGACG ACUCGCCCCG A 70

(2) INFORMATION FOR SEQ ID NO:332:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:332:  
 GGGAGGACGA UGCGGUCUUA AGCGGCGCGA UUUUCGAGCC ACCGCAUCCU 50  
 CCGUGCAGAC GACUCGCCCG A 71

(2) INFORMATION FOR SEQ ID NO:333:  
 (i) SEQUENCE CHARACTERISTICS:  
     (A) LENGTH: 61 base pairs  
     (B) TYPE: nucleic acid  
     (C) STRANDEDNESS: single  
     (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:333:  
 GGGAGGACGA UGCGGCCUCU UAAGCGUCGU GUUUUCAAG CUGGUCAGAC 50  
 GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO:334:  
 (i) SEQUENCE CHARACTERISTICS:  
     (A) LENGTH: 71 base pairs  
     (B) TYPE: nucleic acid  
     (C) STRANDEDNESS: single  
     (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:334:  
 GGGAGGACGA UGCGGAUACC ACCUCUUAAG CGACGUGCAU UUCAAGUCAG 50  
 AUGGUCAGAC GACUCGCCCG A 71

(2) INFORMATION FOR SEQ ID NO:335:  
 (i) SEQUENCE CHARACTERISTICS:  
     (A) LENGTH: 72 base pairs  
     (B) TYPE: nucleic acid  
     (C) STRANDEDNESS: single  
     (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
     (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:335:  
 GGGAGGACGA UGCGGUGCUA UUCUUAAGCG GCGUGUAAU CAAGCUAGAU 50  
 CAUCGUCAGA CGACUGCCCC GA 72

(2) INFORMATION FOR SEQ ID NO:336:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 71 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:336:

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GGGAGGACGA UGCGGAACGA CUCUUAAGCU GUGCGUUUUC GAACAAGUCG 50
UAACUCAGAC GACUCGCCCCG A 71
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(2) INFORMATION FOR SEQ ID NO:337:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 61 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:337:

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GGGAGGACGA UGCGGCUCUC AUUUWGCGCG UAAUUCGAGC UAGCCCAGAC 50
GACUCGCCCCG A 61
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(2) INFORMATION FOR SEQ ID NO:338:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 71 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:338:

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GGGAGGACGA UGCGGAGUCW CUCUCCACCA KCGUGUKUUA AUCAAGCUAN 50
UGCCUCAGAC GACUCGCCCCG A 71
```

(2) INFORMATION FOR SEQ ID NO:339:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 71 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:339:  
 GGGAGGACGA UGCGGUCUAC GGUCUCUCUG GCGGUGCGUA AAUCKAACCA 50  
 GAUCGCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:340:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:340:  
 GGGAGGACGA UGCGGUDAUU UCYUAAUCHG AGCGUUUAUC UAUCUMAAUK 50  
 AUCCUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:341:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 62 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:341:  
 GGGAGGACGA UGCGGAUCGC AAUMUGUWGC GUUCUCKAAA CAGCCUCAGA 50  
 CGACUCGCCC GA 62

(2) INFORMATION FOR SEQ ID NO:342:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 61 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:342:  
 GGGAGGACGA UGCGGUGGUU CUAGGCACGU GUUUUCAAGU GUAUUCAGAC 50  
 GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:343:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 62 base pairs

(B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:343:  
 GGGAGGACGA UGCGGAAACA UGUGUUUUCG AAUGUGCUCU CCUCCCCAAA 50  
 CAACYCCCCC AA 62

(2) INFORMATION FOR SEQ ID NO:344:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 70 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:344:  
 GGGAGGACGA UGCGGAAGGC CGUGUUAUUC AAGGCUGCAA UAAAUCAUCC 50  
 UCCCCAGACG ACUCGCCCCG 70

(2) INFORMATION FOR SEQ ID NO:345:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:345:  
 GGGAGGACGA UGCGGAGGAU CGUGUUAUUC AAGAUUGCUC GUUCUUUACU 50  
 GCGUUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:346:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:346:

GGGAGGACGA UGCGGUCAAA GUGAAGAAUG GACAGCGUUU UCGAGUUGCU 50  
UCACUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:347:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:347:

GGGAGGACGA UGCGGGGAGA AUGGCCAGCG UUUAUCGAGG UGCUCCGUUA 50  
ACCGGCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:348:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 61 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:348:

GGGAGGACGA UGCGGGGAGGA AUGGACWCG UAUAUCGAGU UGCCUCAGAC 50  
GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:349:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 61 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:349:

GGGAGGACGA UGCGGAUCGA UUUAUCGCGU UUUUCGAGUG ACGAUCAGAC 50  
GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:350:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 61 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear



(ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:350:  
 GGGAGGACGA UGCGGAGACC CUAAGMGSU KSUUUCAAS CUGGUCWGAC 50  
 GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO:351:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:351:  
 GGGAGGACGA UGCGGUUAGC CUACACUCUA GGUUCAGUUU UCGAAUCUUC 50  
 CACCGCWGAC GACUCGCCCG A 71

(2) INFORMATION FOR SEQ ID NO:352:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 61 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:352:  
 GGGAGGACGA UGCGGUUAGG UCAAUGAUCU UAGUUUUCGA UUCGUCAGAC 50  
 GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO:353:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 61 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:353:  
 GGGAGGACGA UGCGGACGUG UGUUUCRARU UUCCGCUGU UUGUGCAGAC 50  
 GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO:354:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 71 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:354:

GGGAGGACGA	UGCGGACAGG	GUUCUAGGC	GGAGUGUUA	UCAAUCCAAC	50
CAUGUCAGAC	GACUCGCCG	A			71

(2) INFORMATION FOR SEQ ID NO:355:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 62 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:355:

GGGAGGACGA	UGCGGCGAUU	UCCACAGUUU	GUCUUAUUC	GCAUAUCAGA	50
CGACUCGCC	GA				62

(2) INFORMATION FOR SEQ ID NO:356:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 61 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All U's are 2'-F uracil
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:356:

GGGAGGACGA	UGCGGAUAYU	CAGCUYGUGU	KUUUUCDAUC	UUCCCCAGAC	50
GACUCGCCG	A				61

(2) INFORMATION FOR SEQ ID NO:357:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 61 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: RNA
- (ix) FEATURE:
  - (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:357:  
 GGGAGGACGA UGCGGCACAC GUGUUUCAA GUGUGCUCCU GCGAUCAGAC 50  
 GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:358:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 61 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:358:  
 GGGAGGACGA UGCGGCAAUG UGUUUCUCAA AUUGCUUUCU CCCUUCAGAC 50  
 GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:359:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:359:  
 GGGAGGACGA UGCGGAUACU ACCGUGCGAA CACUAAGUCC CGUCUGUCCA 50  
 CUCCUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:360:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 66 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:360:  
 GGGAGGACGA UGCGGAUACU AUGUGCGUUC ACUAAGUCCC GUUGUCCCCU 50  
 CAGACGACUC GCCCCG A 66

(2) INFORMATION FOR SEQ ID NO:361:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs

(B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:361:  
 GGGAGGACGA UGCGGGUACU AUGUACGAUC ACUAAGCCCC AUCACCCUUC 50  
 UCACUCAGAC NACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:362:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 61 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:362:  
 GGGAGGACGA UGCGGUUACU AUGUACAUUU ACUAAGACCC AACGUCAGAC 50  
 GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:363:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 72 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:363:  
 GGGAGGACGA UGCGGUUWCU AUGUWCGCCU UACUAAGUAC CCGUCGACUG 50  
 UCCCAUCAGA CGACUCGCCC GA 72

(2) INFORMATION FOR SEQ ID NO:364:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 61 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:364:

GGGAAGACGA UGCGGUGUUG AUCAAUGAAU GUCCUCCUCC UACCCCAGAC 50  
GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:365:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 61 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:365:

GGGAGGACGA UGCGGUGUUU GUCAAUGUCA UGAUUAGUUU UCCCACAGAC 50  
GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:366:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 64 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:366:

GGGAGGACGA UGCGGCGGUC UUAAGCAGUG UGUCAAUCAA ACUAUCGUCA 50  
GACGACUCGC CCGA 64

(2) INFORMATION FOR SEQ ID NO:367:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 61 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:367:

GGGAGGACGA UGCGGUUCUU AAGCAGCGCG UCAAUCGAGC UAACCCAGAC 50  
GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:368:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 66 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:368:  
 GGGAGGACGA UGCGGAAUGR CCCGUUACCA WCAAUGCGCC UCDUUGMCCC 50  
 CAAACAACYC CCCCAA 66

(2) INFORMATION FOR SEQ ID NO:369:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 70 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:369:  
 GGGAGGACGA UGCGGAAUYU CGUGYUACGC GUYYYCUAUC CAAUCUACCC 50  
 CMUCUCCAAU CAGACGACYC 70

(2) INFORMATION FOR SEQ ID NO:370:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 61 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:370:  
 GGGAGGACGA UGCGGCGCUU ACAUAUUAUC UCCCUGAGUA CAGCUCAGAC 50  
 GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:371:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:371:  
 GGGAGGACGA UGCGGAACUU CUUAGGCAGC GUGCUAGUCA AGCUAAGUUC 50  
 CACCUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:372:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 70 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:372:

GGGAGGACGA UGCGGCACAA UCUUCGGCAG CGUGCAAGAU CAAGCUAUUG 50  
UUGUCAGACG ACUCGCCCCGA 70

(2) INFORMATION FOR SEQ ID NO:373:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 61 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:373:

GGGAGGACGA UGCGGUCAUU AACCAAGAUU UGCGAAUCAC CUCCUCAGAC 50  
GACUCGCCCCG A. 61

(2) INFORMATION FOR SEQ ID NO:374:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 62 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:374:

GGGAGGACGA UGCGGUCAUU CUCUAAAAA GUAUCCGUA CCUCCACAGA 50  
CGACUCGCCC GA 62

(2) INFORMATION FOR SEQ ID NO:375:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 61 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:375:  
 GGGAGGACGA UGCGGGUGAU CUUUUAUGCU CCUCUUGUUU CCUGUCAGAC 50  
 GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:376:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:376:  
 GGGAGGACNA UGCGGUCUAG GCAUCGCUAU UCUUUACUGA UAUAAUUACU 50  
 CCCCUCAGAC GACUCGCCCCG A 71

(2) INFORMATION FOR SEQ ID NO:377:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 61 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:377:  
 GGGAGGACGA UGCGGAGUWW GCNCGGUCCA GUCACAUCCW AUCCCCAGAC 50  
 GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:378:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 62 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:378:  
 GGGAGGACGA UGCGGCUCUC AUAUKGWGUR UUYUUCMUUC SRGGCUCAAA 50  
 CAAYYCCCCC AA 62

(2) INFORMATION FOR SEQ ID NO:379:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 61 base pairs



(B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:379:  
 GGGAGGACGA UGCGGCUUGU UAGUAAACU CGAGUCUCCA CCCUCAGAC 50  
 GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:380:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 62 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:380:  
 GGGAGGACGA UGCGGUCUCU WCUVACVUGU RUUCACAUUU UCGCYUCAA 50  
 CAACYCCCCC AA 62

(2) INFORMATION FOR SEQ ID NO:381:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 61 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:381:  
 GGGAGGACGA UGCGGUURAC AAUGRSSCUC RCCUCCCCWG GUCCUCAGAC 50  
 GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:382:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:382:

AGGAGGACGA UGCGGUUAUC UGAARCWUGC GUAAMCUARU GUSAAASUGC 50  
AACRACRAAC AACYCSCCCA A 71

(2) INFORMATION FOR SEQ ID NO:383:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 61 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:383:

AGGAAGACGA UGCGGUUCGA UUUUUUGUG UCAUGUUCU UCCAUCAGAC 50  
GACUCGCCCCG A 61

(2) INFORMATION FOR SEQ ID NO:384:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 35 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:384:

GUGAUGACAU GGAUUACGCC AGACGACUCG CCCGA 35

(2) INFORMATION FOR SEQ ID NO:385:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All C's are 2'-F cytosine

(ix) FEATURE:

- (D) OTHER INFORMATION: All U's are 2'-F uracil

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:385:

UGCGUGUUUU CAAGCA 16

(2) INFORMATION FOR SEQ ID NO:386:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 23 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:386:  
 CUCAAAUUGC GUGUUUCAA GCA 23

(2) INFORMATION FOR SEQ ID NO:387:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 33 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:387:  
 GGUACCUCAA AUUGCGUGUU UUCAAGCAGU AUC 33

(2) INFORMATION FOR SEQ ID NO:388:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 33 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:388:  
 GGAGUCUUAG GCAGCGGUGU UUCGAGCUAC UCC 33

(2) INFORMATION FOR SEQ ID NO:389:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 71 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear  
 (ii) MOLECULAR TYPE: RNA  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All C's are 2'-F cytosine  
 (ix) FEATURE:  
 (D) OTHER INFORMATION: All U's are 2'-F uracil  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:389:  
 GGGAGGACGA UGCGGNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN 50  
 NNNNNNCAGAC GACUCGCCCG A 71

(2) INFORMATION FOR SEQ ID NO:390:  
 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 97 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single

(D) TOPOLOGY: linear  
(ii) MOLECULAR TYPE: RNA  
(ix) FEATURE:  
(D) OTHER INFORMATION: All C's are 2'-F cytosine  
(ix) FEATURE:  
(D) OTHER INFORMATION: All U's are 2'-F uracil  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:390:  
GGGAGACAAG AAUAAACGCU CAANNNNNNN NNNNNNNNNN NNNNNNNNNN 50  
NNNNNNNNNN NNNNNNNNNN NNNUUCGACA GGAGGCUCAC AACAGGC 97